Amendments to the Specification:

Replace the original Sequence Listing with the substitute Sequence Listing filed herewith.

Please amend the paragraph beginning at page 12, line 34, as follows:

In a sixth aspect, the invention provides a method of isolating a hydrophobic protein, the method comprising: (a) selecting a hydrophobic protein comprising: (i) at least one transmembrane domain sequence, (ii) at least two tag sequences useful for affinity selection selected from the group consisting of: (A) a FLAG tag (NH2-DYKDDDDK-COOH) (SEQ ID NO:[[29]]1), (B) an EE tag (NH2-EEEEYMPME-COOH) (SEQ ID NO:[[30]]2), (C) a hemagglutinin tag (NH2-YPYDVPDYA-COOH) (SEQ ID NO:[[31]]3), (D) a myc tag (NH2-KHKLEQLRNSGA-COOH) (SEQ ID NO:[[32]]4), and (E) an HSV tag (NH2-QPELAPEDPED-COOH) (SEQ ID NO:[[33]]5); (iii) a hydrophobic protein (HP) sequence selected from the group consisting of: (A) a membrane protein, (B) an integral membrane protein, (C) a transmembrane protein, (D) a monotopic membrane protein, (E) a polytopic membrane protein, (F) a pump protein, (G) a channel protein, (H) a receptor kinase protein, (I)a G protein-coupled receptor protein, (J) a membrane-associated enzyme, and (K) a transporter protein; (b) purifying the hydrophobic protein by sucrose gradient ultracentrifugation; (c) purifying the hydrophobic protein by antibody affinity purification; and (d) purifying the hydrophobic protein by immobilized metal affinity chromatography.

Please amend the paragraph beginning at page 39, line 16, as follows:

In a sixth aspect, the invention provides a method of isolating a hydrophobic protein, the method comprising: (a) selecting a hydrophobic protein comprising: (i) at least one transmembrane domain sequence, (ii) at least two tag sequences useful for affinity selection selected from the group consisting of: (A) a FLAG tag (NH2-DYKDDDDK-COOH) (SEQ ID NO:[[29]]1), (B) an EE tag (NH2-EEEEYMPME-COOH) (SEQ ID NO:[[30]]2), (C) a

hemagglutinin tag (NH2-YPYDVPDYA-COOH) (SEQ ID NO:[[31]]3), (D) a myc tag (NH2-KHKLEQLRNSGA-COOH) (SEQ ID NO:[[32]]4), and (E) an HSV tag (NH2-QPELAPEDPED-COOH) (SEQ ID NO:[[33]]5); (iii) a hydrophobic protein (HP) sequence selected from the group consisting of: (A) a membrane protein, (B) an integral membrane protein, (C) a transmembrane protein, (D) a monotopic membrane protein, (E) a polytopic membrane protein, (F) a pump protein, (G) a channel protein, (H) a receptor kinase protein, (I)a G protein-coupled receptor protein, (J) a membrane-associated enzyme, and (K) a transporter protein; (b) purifying the hydrophobic protein by sucrose gradient ultracentrifugation; (c) purifying the hydrophobic protein by antibody affinity purification; and (d) purifying the hydrophobic protein by immobilized metal affinity chromatography.

Please amend the paragraph beginning at page 45, line 33, as follows:

A gene construct encoding the m2 subtype of the muscarinic acetylcholine receptor (m2R) was cloned into a baculovirus expression vector according to conventional cloning methods (see *e.g.*, Baculovirus Expression Vector System, 6th Edition, 1999, Pharmingen, San Diego, CA). The gene construct encoded a polypeptide with an amino terminal methionine followed immediately in frame by the melittin signal sequence (SEQ ID NO:12) followed immediately in frame by the FLAG M1 epitope tag (SEQ ID NO:1) followed immediately in frame by the sequence for the m2 muscarinic acetylcholine receptor (NCBI Accession No. X04708). The full-length polypeptide sequence therefore was:

NH2-
MKFLVNVALVFMVVYISYIYADYKDDDDKMMNNSTNSSNSGLALTSPYKT
FEVVFIVLVAGSLSLVTIIGNILVMVSIKVNRHLQTVNNYFLFSLACADL
IIGVFSMNLYTLYTVIGYWPLGPVVCDLWLALDYVVSNASVMNLLIISFD
RYFCVTKPLTYPVKRTTKMAGMMIAAAWVLSFILWAPAILFWQFIVGVRT
VEDGECYIQFFSNAAVTFGTAIAAFYLPVIIMTVLYWHISRASKSRIKKD
KKEPVANQEPVSPSLVQGRIVKPNNNNMPGSDEALEHNKIQNGKAPRDAV
TENCVQGEEKESSNDSTSVSAVASNMRDDEITQDENTVSTSLGHSKDENS
KQTCIKIVTKTQKSDSCTPANTTVELVGSSGQNGDEKQNIVARKIVKMTK

QPAKKKPPPSREKKVTRTILAILLAFIITWAPYNVMVLINTFCAPCIPNT
VWTIGYWLCYINSTINPACYALCNATFKKTFKHLLMCHYKNIGATR-
COOH (SEQ ID NO:[[34]]29)